



PATENTS

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

|                      |                                   |                  |                   |
|----------------------|-----------------------------------|------------------|-------------------|
| <b>Applicant(s):</b> | Heikki Heikkila, et al.           | <b>Examiner:</b> | Unassigned        |
| <b>Serial No:</b>    | 09/967,184                        | <b>Art Unit:</b> | Unassigned        |
| <b>Filed:</b>        | September 28, 2001                | <b>Docket:</b>   | 14766             |
| <b>For:</b>          | METHOD FOR<br>RECOVERING PRODUCTS | <b>Dated:</b>    | December 28, 2001 |

Assistant Commissioner for Patents  
Washington, DC 20231

**INFORMATION DISCLOSURE STATEMENT**  
**PURSUANT TO 37 C.F.R. §§1.56, 1.97 AND 1.98**

Sir:

Applicants, in order to meet their duty of disclosure, set forth at 37 C.F.R. §1.56, submit herewith those references which they deem relevant to the claims of the present application.

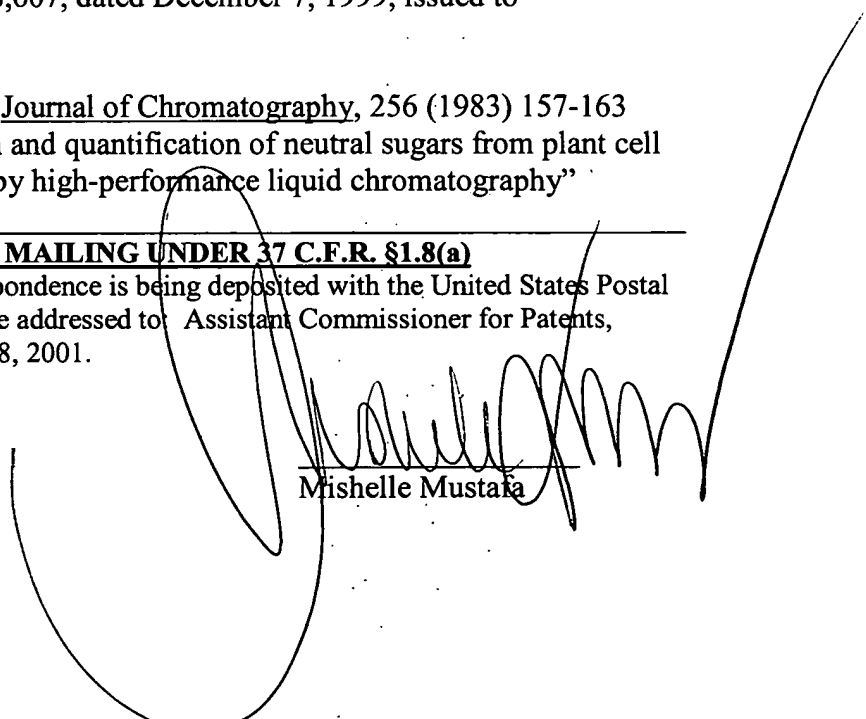
The relevant references are as follows:

1. U.S. Patent No. 5,998,607, dated December 7, 1999, issued to Heikkila et al.
2. Blaschek, Wolfgang, Journal of Chromatography, 256 (1983) 157-163  
"Complete separation and quantification of neutral sugars from plant cell walls and mucilages by high-performance liquid chromatography"

**CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to Assistant Commissioner for Patents, Washington, DC 20231 on December 28, 2001.

**Dated:** December 28, 2001

  
Mishelle Mustafa

3. JP-A-9127090, Chemical Abstract 127:47442, dated November 2, 1995
4. U.S. Patent No. 2,684,331, dated August 20, 1954, issued to Bauman
5. U.S. Patent No. 2,911,362, dated November 3, 1959, issued to Wheaton
6. U.S. Patent No. 4,075,406, dated February 21, 1978, issued to Melaja et al.
7. Finnish Patent Application No. 962,609 (corresponding to U.S.S.N. 08/880,382)
8. Samuelson, Olof, J. Methods Carbohy. Chem., 6 (1972) 65-75 "Partition Chromatography on Ion-Exchange Resins"
9. Takasaki, Yoshiyuki, Agr. Biol. Chem. 36 (1972) pp. 2575-77 "On the Separation of Sugars"
10. Lindberg, Bengt et al., Carbohyd. Res. 5 (1967) pp. 286-291 "Preparative Separations Of Sugars On Bisulphite Resins"
11. U.S. Patent No. 4,358,322, dated November 9, 1982, issued to Neuzil et al.
12. U.S. Patent No. 5,084,104, dated January 28, 1992, issued to Heikkila et al.
13. WO 99/57326
14. U.S. Patent No. 4,880,919, dated November 14, 1989, issued to Kulprathipanja
15. U.S. Patent No. 4,816,078, dated March 28, 1989, issued to Schiweck et al.
16. U.S. Patent No. 4,664,718, dated May 12, 1987, issued to Chang
17. DE 3545107 [corresponding to U.S. Patent No. 4,772,334 (to Masayoshi et al.)]
18. Barker, S.A. et al., Carbohydrate Research, 26 (1973) 55-64 "The Use of Poly(4-vinylbenzeneboronic Acid) Resins in the Fractionation and Interconversion of Carbohydrates"

19. CA 1249812 [corresponding to U.S. Patent No. 4,631,129 (to Heikkila)]
20. Finnish Patent Application No. 97625 [corresponding to WO 96/27028]

It is noted that in the case of JP-A-9127090, an English abstract is being submitted. It is noted that the remaining patent publications (or English counterparts thereto) and journal references are in English.

Applicants respectfully request that the above- mentioned references be made of record in the file of the present application. To that end, applicants submit herewith the aforementioned references and the completed Form PTO-1449, setting forth these references.

Applicants submit that the filing of this Information Disclosure Statement is within three months for the filing date of the subject application. Therefore, no Declaration or fee is required to effect the filing of this Information Disclosure Statement.

Consideration of this Information Disclosure Statement is respectfully requested, since the information provided herein may be material to the patentability of the subject application as defined in 37 C.F.R. §1.56.

Respectfully submitted,



Edward W. Grolz  
Registration No. 33,705

SCULLY, SCOTT, MURPHY & PRESSER  
400 Garden City Plaza  
Garden City, New York 11530  
(516) 742-4343

EWG:yp/dg

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**  
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.  
14766

In Re Application Of: Heikki Heikkila, et al.

Serial No.  
09/967,184

Filing Date  
September 28, 2001

Examiner  
Unassigned

Group Art Unit  
Unassigned

Title: **METHOD FOR RECOVERING PRODUCTS**

Address to:

Assistant Commissioner for Patents  
Washington, D.C. 20231

**37 CFR 1.97(b)**

1. ☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

**37 CFR 1.97(c)**

2. ☐ The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:

☐ the statement specified in 37 CFR 1.97(e);

OR

☐ the fee set forth in 37 CFR 1.17(p).

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**

JAN 23 2002

(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.  
14766

Inventor Application: Heikki Heikkila, et al.

Serial No.

09/967,184

Filing Date

September 28, 2001

Examiner

Unassigned

Group Art Unit

Unassigned

**METHOD FOR RECOVERING PRODUCTS****Payment of Fee**

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

- ☐ A check in the amount of \_\_\_\_\_ is attached.
- ☒ The Assistant Commissioner is hereby authorized to charge and credit Deposit Account No. \_\_\_\_\_ as described below. A duplicate copy of this sheet is enclosed.
- ☐ Charge the amount of \_\_\_\_\_
- ☒ Credit any overpayment.
- ☒ Charge any additional fee required.

**Certificate of Transmission by Facsimile\***

I certify that this document and authorization to charge deposit account is being facsimile transmitted to the United States Patent and Trademark Office (F

(Date)

Signature

Typed or Printed Name of Person Signing Certificate

**Certificate of Mailing by First Class Mail**

I certify that this document and fee is being deposited on 12/28/01 with the U.S. Postal Service as first class mail under 37 C.F.R. 1.8 and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Signature of Person Mailing Correspondence

Mishelle Mustafa

Typed or Printed Name of Person Mailing Certificate

\*This certificate may only be used if paying by deposit account.

Dated: December 28, 2001

Edward W. Grolz  
Registration No. 33,705

SCULLY, SCOTT, MURPHY & PRESSER  
400 Garden City Plaza  
Garden City, New York 11530  
(516) 742-4343  
EWG:yp

cc: